**Student Manager 1.0 - User Manual**

**Instructor: Rizwan Khalid**

**Student: Taha Zeeshan**

Welcome to Student Manager 1.0! This guide will help you understand and use the program, whether you're a student, teacher, or administrator.

**Getting Started**

1. **Launch the Program:** When you run the program, you'll see an animated title "STUDENT MANAGER 1.0" and a loading bar.
2. **Login Screen:** After the loading bar, you'll be prompted to log in. You need to enter your role (admin, teacher, or student), your ID, and your password.
   * **If you are a new user:** You will need to be registered by an administrator first.

**Main Menu - Depending on Your Role**

Once you log in, the program will present a menu specific to your role.

**1. Student Menu**

If you log in as a "student," you'll see these options:

* **1. View Assignment Reminders:**
  + **What it does:** This option checks for any assignments that are due within the next 24 hours. It's like having a digital reminder for your upcoming deadlines.
  + **How to use:** Select "1" and press Enter. The program will display any urgent assignments or tell you if you're all caught up.
* **2. Add Expense:**
  + **What it does:** This allows you to record your expenses. You can enter a description of what you spent money on and the amount.
  + **How to use:** Select "2" and press Enter. The program will ask for a "Description" (e.g., "Lunch," "Textbook") and then the "Amount" (e.g., "15.50").
* **3. Trip Manager:**
  + **What it does:** This helps you keep track of any trips you're planning. You can enter the destination and the date of your trip.
  + **How to use:** Select "3" and press Enter. You'll be prompted for the "Destination" (e.g., "Lahore") and the "Date (YYYY-MM-DD)" (e.g., "2025-06-15").
* **4. Show All Assignments:**
  + **What it does:** This option displays a list of all assignments that have been uploaded, regardless of their deadline.
  + **How to use:** Select "4" and press Enter. You'll see the title, deadline, and who uploaded each assignment.
* **0. Logout:**
  + **What it does:** This exits you from the student menu and takes you back to the main login screen.
  + **How to use:** Select "0" and press Enter.

**2. Teacher Menu**

If you log in as a "teacher," you'll see these options:

* **1. Upload Assignment:**
  + **What it does:** This is where teachers can add new assignments for students. You'll need to provide the assignment's title and its deadline.
  + **How to use:** Select "1" and press Enter. Enter the "Title" of the assignment (e.g., "Math Homework Chapter 5") and the "Deadline (YYYY-MM-DD HH:MM)" (e.g., "2025-06-10 17:00").
* **2. Show All Assignments:**
  + **What it does:** Similar to the student's option, this shows a list of all uploaded assignments.
  + **How to use:** Select "2" and press Enter.
* **0. Logout:**
  + **What it does:** This exits you from the teacher menu and takes you back to the main login screen.
  + **How to use:** Select "0" and press Enter.

**3. Admin Menu**

If you log in as an "admin," you have more control and will see these options:

* **1. Show All Assignments:**
  + **What it does:** Displays all uploaded assignments.
  + **How to use:** Select "1" and press Enter.
* **2. Show All Trips:**
  + **What it does:** This option shows a list of all trips that students have recorded in the system.
  + **How to use:** Select "2" and press Enter. You'll see the User ID, Destination, and Date for each trip.
* **3. Add Teacher:**
  + **What it does:** This allows an administrator to create a new teacher account. You'll need to provide a new ID and password for the teacher.
  + **How to use:** Select "3" and press Enter. Enter the "ID" and "Password" for the new teacher.
* **4. Add Student:**
  + **What it does:** This allows an administrator to create a new student account. You'll need to provide a new ID and password for the student.
  + **How to use:** Select "4" and press Enter. Enter the "ID" and "Password" for the new student.
* **0. Logout:**
  + **What it does:** This exits you from the admin menu and takes you back to the main login screen.
  + **How to use:** Select "0" and press Enter.

**Important Notes:**

* **Input Format:** When entering dates, make sure to follow the specified format (e.g., YYYY-MM-DD for trips, YYYY-MM-DD HH:MM for assignment deadlines).
* **Case Sensitivity:** User IDs and passwords are case-sensitive.
* **Saving Data:** The program automatically saves your data to text files (e.g., users.txt, assignments.txt).
* **Exiting the Program:** To completely exit the program from the main login screen, type "exit" when prompted for your role.

We hope this manual makes using Student Manager 1.0 easy and efficient for you!